



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Takeda et al.

Serial No.: 09/886,636

Filed: June 21, 2001

For: LIQUID CRYSTAL
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Art Unit: 2871

I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on this date.

5 Oct 01

Date
F.C. CLASS WCM

Appr. February 20, 1998

Registration No. 29367

Attorney for Applicant

**SUBMISSION OF SUBSTITUTE
INFORMATION DISCLOSURE STATEMENT AND FORM PTO-1449**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants herewith submit a Substitute Information Disclosure Statement (IDS) and Form PTO-1449 to correct inadvertent typographical errors found by applicants in the IDS and Form PTO-1449 filed on August 27, 2001.

In accordance with 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants through counsel herewith submit copies of the publications as set forth in the attached form PTO-1449 as follows:

U.S. PATENT DOCUMENTS

<u>PATENT NO.</u>	<u>PATENTEE</u>	<u>ISSUE DATE</u>
5,309,264	Lien et al.	May 3, 1994

FOREIGN PATENT DOCUMENTS

<u>DOCUMENT NO.</u>	<u>COUNTRY</u>	<u>DATE</u>
636 917	Europe	Feb. 1, 1995
7-43698	Japan	Feb. 14, 1995

7-43719	Japan	Feb. 14, 1995
8-179344	Japan	Jul. 12, 1996
8-262444	Japan	Oct. 11, 1996
6-43461	Japan	Feb. 18, 1994
6-273781	Japan	Sep. 30, 1994
6-130394	Japan	May 13, 1994
10-96929	Japan	Apr. 14, 1998
5-45636	Japan	Feb. 26, 1993
8-50281	Japan	Feb. 20, 1996

Applicants respectfully request that the Examiner consider the above-listed references in the examination of this application and list these references of record in the application.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

By



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October 5, 2001

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